

Day : Friday
Date: 9/15/2006

Time: 08:56:23

**PALM INTRANET**

Inventor Information for 10/822975

SM

Inventor Name	City	State/Country
GRIFFITH, DAVID A.	OLD SAYBROOK	CONNECTICUT
HAMMOND, MARLYS	BLUE BELL	PENNSYLVANIA

Appln Info	Contents	Petition Info	Atty/Agent Info	Continuity/Reexam	Foreign C
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PCT / / [Search](#) or PG PUBS # [Search](#)
Attorney Docket # [Search](#)
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NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/Capplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in
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NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/Capplus(SM) Austrian patent law changes
NEWS 18 SEP 11 CA/Capplus enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
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0.21

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DICTIONARY FILE UPDATES: 14 SEP 2006 HIGHEST RN 906714-10-1

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=>

Uploading C:\Program Files\Stnexp\Queries\10822975y.str



chain nodes :
10 11 14
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
2-14 8-10 9-11
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
1-2 1-6 2-3 2-14 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 9-11

G1: Cy, Cb, Hy

G2: C, H, O

G3: O, N, C

G4: C, N

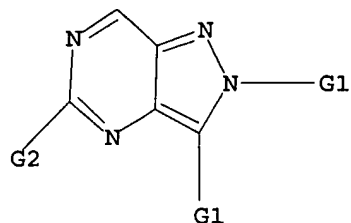
Match level :
1: Atom 2: Atom 3: Atom 4: Atom 5: Atom 6: Atom 7: Atom 8: Atom 9: Atom 10: CLASS
11: CLASS 14: CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Cy,Cb,Hy

G2 C,H,O

G3 O,N,C

G4 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sam

SAMPLE SEARCH INITIATED 18:43:19 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1441 TO ITERATE

100.0% PROCESSED 1441 ITERATIONS

12 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 26543 TO 31097

PROJECTED ANSWERS: 33 TO 447

L2 12 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 18:43:24 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 27542 TO ITERATE

100.0% PROCESSED 27542 ITERATIONS

216 ANSWERS

SEARCH TIME: 00.00.01

L3 216 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
166.94	167.15

FULL ESTIMATED COST

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FILE COVERS 1907 - 15 Sep 2006 VOL 145 ISS 13
FILE LAST UPDATED: 14 Sep 2006 (20060914/ED)

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=> s 13

L4 5 L3

=>

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=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.46

167.61

STN INTERNATIONAL LOGOFF AT 18:43:43 ON 15 SEP 2006

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NEWS	5	MAY 11	KOREAPAT updates resume
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NEWS	10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
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NEWS	12	JUL 11	CHEMSAFE reloaded and enhanced
NEWS	13	JUL 14	FSTA enhanced with Japanese patents
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=> fil reg

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ENTRY	SESSION

FULL ESTIMATED COST

0.21

0.21

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DICTIONARY FILE UPDATES: 14 SEP 2006 HIGHEST RN 906714-10-1

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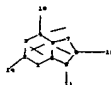
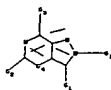
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chain nodes :

10 11 14 18

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

2-14 4-18 8-10 9-11

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

1-2 1-6 2-3 2-14 3-4 4-5 4-18 5-6 5-7 6-9 7-8 8-9 8-10 9-11

G1: Cy, Cb, Hy

G2: C, H, O

G3: O, N, C

G4: C, N

Match level :

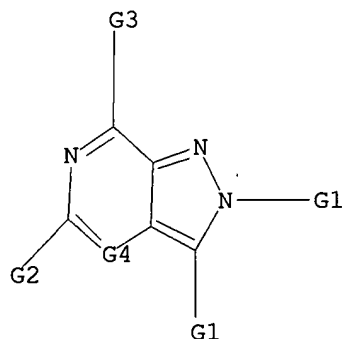
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 14:CLASS 18:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Cy,Cb,Hy

G2 C,H,O

G3 O,N,C

G4 C,N

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=> s l1 sam

SAMPLE SEARCH INITIATED 09:54:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1068 TO ITERATE

100.0% PROCESSED 1068 ITERATIONS

8 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 19400 TO 23320

PROJECTED ANSWERS: 8 TO 329

L2 8 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 09:54:46 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 20959 TO ITERATE

100.0% PROCESSED 20959 ITERATIONS

93 ANSWERS

SEARCH TIME: 00.00.01

L3 93 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

167.15

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FILE LAST UPDATED: 13 Sep 2006 (20060913/ED)

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=> s 13

L4 5 L3

=> d l4 ibib hitstr abs 1-5

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1341997 CAPLUS

DOCUMENT NUMBER: 144:233032

TITLE: New bicyclic cannabinoid receptor-1 (CB1-R) antagonists

AUTHOR(S): Carpino, Philip A.; Griffith, David A.; Sakya, Subas; Dow, Robert L.; Black, Shawn C.; Hadcock, John R.; Iredale, Philip A.; Scott, Dennis O.; Fichtner, Michael W.; Rose, Colin R.; Day, Robert; Dibrino, Joseph; Butler, Mary; DeBartolo, Demetria B.; Dutcher, Darrin; Gautreau, Denise; Lizano, Jeff S.; O'Connor, Rebecca E.; Sands, Michelle A.; Kelly-Sullivan, Dawn; Ward, Karen M.

CORPORATE SOURCE: Pfizer Global Research and Development-Groton Laboratories, Groton, CT, 06340, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2006), 16(3), 731-736
CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

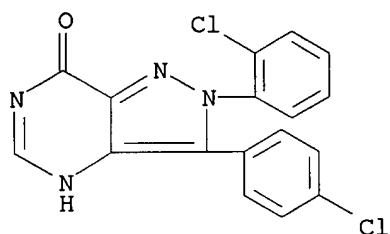
LANGUAGE: English

IT 784193-08-4P 876405-94-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrazolopyrimidines as cannabinoid receptor-1 (CB1-R) antagonists)

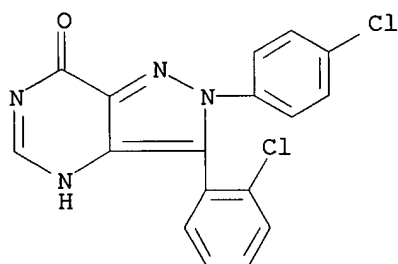
RN 784193-08-4 CAPLUS

CN 7H-Pyrazolo[4,3-d]pyrimidin-7-one, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-2,4-dihydro- (9CI) (CA INDEX NAME)

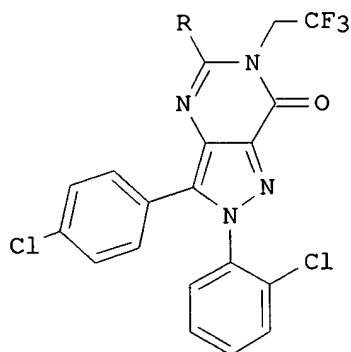


RN 876405-94-6 CAPLUS

CN 7H-Pyrazolo[4,3-d]pyrimidin-7-one, 3-(2-chlorophenyl)-2-(4-chlorophenyl)-2,4-dihydro- (9CI) (CA INDEX NAME)



GI



I

AB A series of conformationally constrained bicyclic derivs. derived from SR141716 was prepared and evaluated as hCB1-R antagonists and inverse agonists. Optimization of the structure-activity relationships around the 2,6-dihydro-pyrazolo[4,3-d]pyrimidin-7-one derivative led to the identification of I [R = H, Me] with oral activity in rodent feeding models. Replacement of the PP group in I [R = H] with other bicyclic groups resulted in a loss of binding affinity.

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

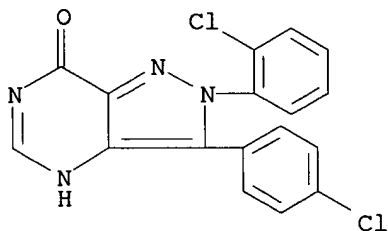
ACCESSION NUMBER: 2004:905619 CAPLUS

DOCUMENT NUMBER: 141:379939

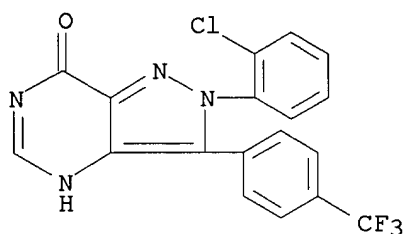
TITLE: Preparation of pyrazolo[4,3-d]pyrimidin-7-one and pyrazolo[3,4-c]pyridin-7-one compounds as cannabinoid receptor ligands

INVENTOR(S): Carpino, Philip A.; Griffith, David A.
 PATENT ASSIGNEE(S): Pfizer Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 38 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004214838	A1	20041028	US 2004-822988	20040412
CA 2523205	AA	20041104	CA 2004-2523205	20040413
WO 2004094417	A1	20041104	WO 2004-IB1262	20040413
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1622902	A1	20060208	EP 2004-727068	20040413
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004009689	A	20060418	BR 2004-9689	20040413
NL 1026029	A1	20041027	NL 2004-1026029	20040423
NL 1026029	C2	20050705		
PRIORITY APPLN. INFO.:			US 2003-464916P	P 20030423
			WO 2004-IB1262	W 20040413
OTHER SOURCE(S): MARPAT 141:379939				
IT 784193-08-4P 784193-09-5P 784193-10-8P				
784193-11-9P 784193-17-5P				
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of pyrazolo[4,3-d]pyrimidin-7-one and pyrazolo[3,4-c]pyridin-7-one compds. as cannabinoid receptor ligands)				
RN 784193-08-4 CAPLUS				
CN 7H-Pyrazolo[4,3-d]pyrimidin-7-one, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-2,4-dihydro- (9CI) (CA INDEX NAME)				

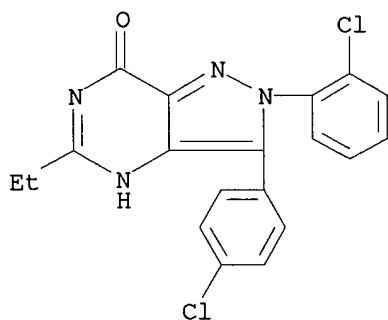


RN 784193-09-5 CAPLUS
 CN 7H-Pyrazolo[4,3-d]pyrimidin-7-one, 2-(2-chlorophenyl)-2,4-dihydro-3-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



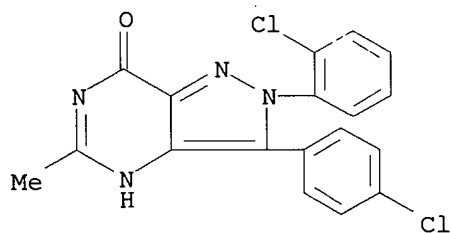
RN 784193-10-8 CAPLUS

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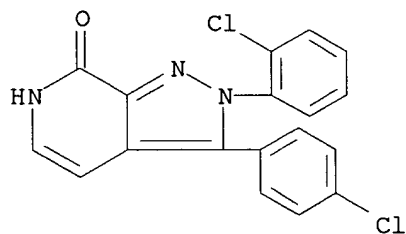
RN 784193-11-9 CAPLUS

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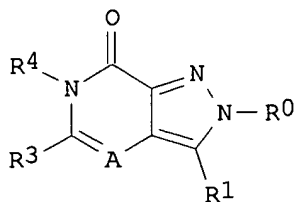


RN 784193-17-5 CAPLUS

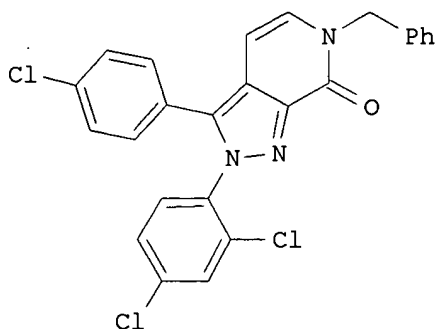
CN 7H-Pyrazolo[3,4-c]pyridin-7-one, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-2,6-dihydro- (9CI) (CA INDEX NAME)



GI



I



II

AB The title compds. I [A = N, CR2 (wherein R2 = H, alkyl, haloalkyl, alkoxy); R0, R1 = (un)substituted (hetero)aryl; R3 = H, (un)substituted alkyl, alkoxy; R4 = alkyl, aryl, heteroaryl, etc.] that act as cannabinoid receptor ligands and therefore are useful in the treatment of diseases linked to the mediation of the cannabinoid receptors in animals, were prepared E.g., a 2-step synthesis of II, starting from 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-1H-pyrazole-3-carboxylic acid, was given. All the exemplified compds. were tested in the CB-1 receptor binding assay and provided a range of binding activities from 0.09 to 453 nM. The pharmaceutical composition comprising the compound I is claimed.

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:905618 CAPLUS

DOCUMENT NUMBER: 141:379938

TITLE: Preparation of pyrazolo[4,3-d]pyrimidine and pyrazolo[3,4-c]pyridine compounds as cannabinoid receptor ligands

INVENTOR(S): Griffith, David A.; Hammond, Marlys

PATENT ASSIGNEE(S): Pfizer Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 76 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

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US 2004214837	A1	20041028	US 2004-822975	20040412
CA 2520842	AA	20041111	CA 2004-2520842	20040420
WO 2004096801	A1	20041111	WO 2004-IB1418	20040420
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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NL 1026030	A1	20041101	NL 2004-1026030	20040423
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PRIORITY APPLN. INFO.:

US 2003-464918P

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US 2004-540048P

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WO 2004-IB1418

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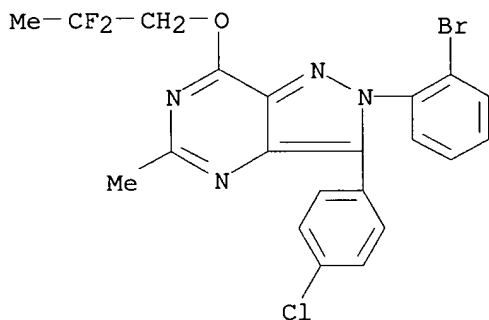
OTHER SOURCE(S): MARPAT 141:379938

IT 784208-41-9P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrazolo[4,3-d]pyrimidine and pyrazolo[3,4-c]pyridine compds. for treating disorders modulated by a cannabinoid receptor antagonist)

RN 784208-41-9 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-bromophenyl)-3-(4-chlorophenyl)-7-(2,2-difluoropropoxy)-5-methyl- (9CI) (CA INDEX NAME)



IT 784206-67-3P 784206-71-9P 784206-76-4P

784206-77-5P 784207-36-9P 784207-56-3P

784207-57-4P 784207-58-5P 784207-59-6P

784207-60-9P 784207-61-0P 784207-62-1P

784207-63-2P 784207-64-3P 784207-65-4P

784207-66-5P 784207-67-6P 784207-68-7P

784207-69-8P 784207-70-1P 784207-71-2P

784207-72-3P 784207-73-4P 784207-74-5P

784207-75-6P 784207-76-7P 784207-77-8P

784207-78-9P 784207-79-0P 784207-80-3P

784207-81-4P 784207-82-5P 784207-83-6P

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784207-87-0P 784207-88-1P 784207-89-2P

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784207-93-8P 784207-94-9P 784207-95-0P

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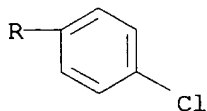
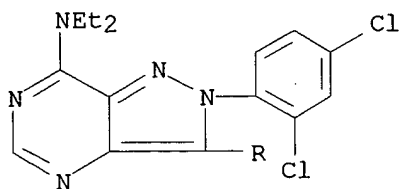
784208-77-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrazolo[4,3-d]pyrimidine and pyrazolo[3,4-c]pyridine compds. for treating disorders modulated by a cannabinoid receptor antagonist)

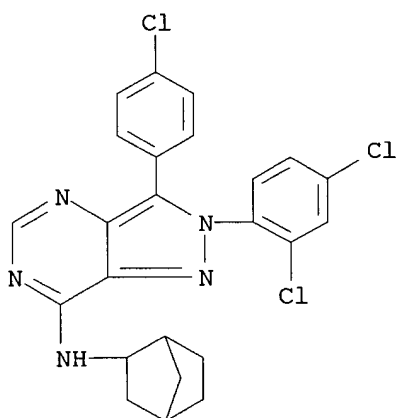
RN 784206-67-3 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 3-(4-chlorophenyl)-2-(2,4-dichlorophenyl)-N,N-diethyl- (9CI) (CA INDEX NAME)



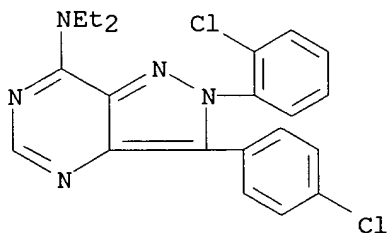
RN 784206-71-9 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, N-bicyclo[2.2.1]hept-2-yl-3-(4-chlorophenyl)-2-(2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)



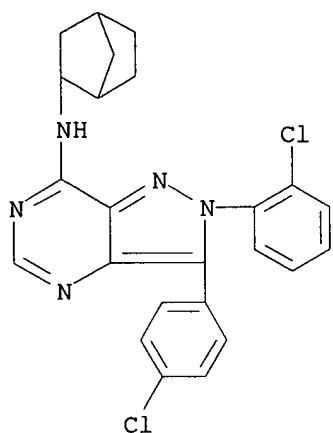
RN 784206-76-4 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N,N-diethyl- (9CI) (CA INDEX NAME)



RN 784206-77-5 CAPLUS

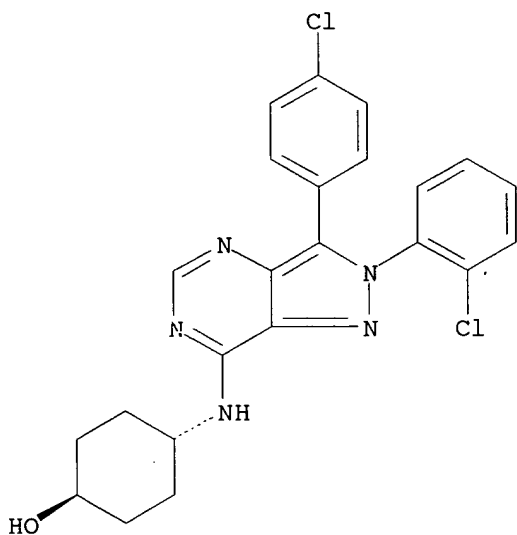
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, N-bicyclo[2.2.1]hept-2-yl-2-(2-chlorophenyl)-3-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



RN 784207-36-9 CAPLUS

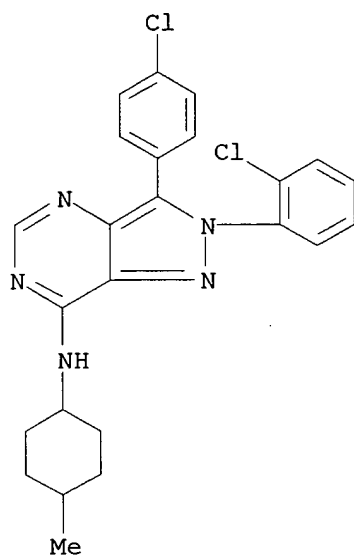
CN Cyclohexanol, 4-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



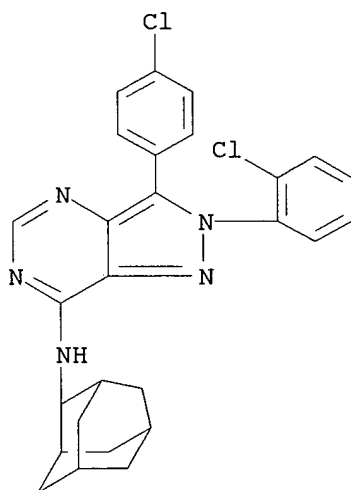
RN 784207-56-3 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(4-methylcyclohexyl)- (9CI) (CA INDEX NAME)



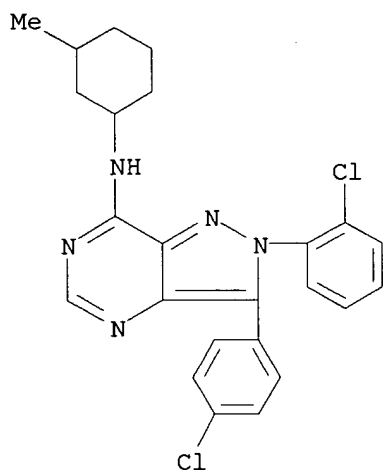
RN 784207-57-4 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-tricyclo[3.3.1.1^{3,7}]dec-2-yl- (9CI) (CA INDEX NAME)



RN 784207-58-5 CAPLUS

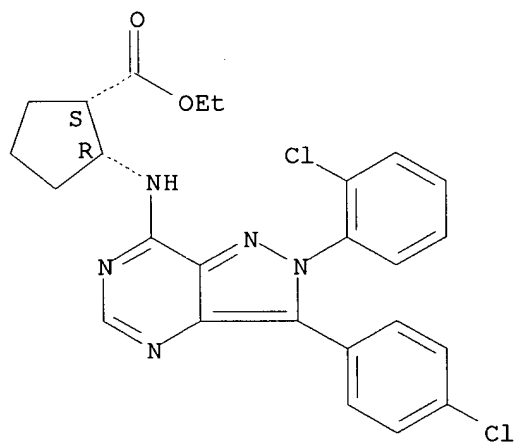
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(3-methylcyclohexyl)- (9CI) (CA INDEX NAME)



RN 784207-59-6 CAPLUS

CN Cyclopentanecarboxylic acid, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-, ethyl ester, (1R,2S)-rel- (9CI)
(CA INDEX NAME)

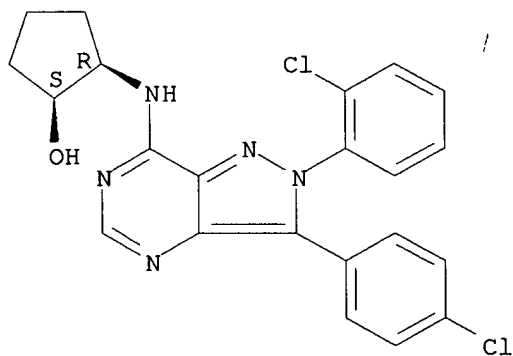
Relative stereochemistry.



RN 784207-60-9 CAPLUS

CN Cyclopentanol, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-, (1R,2S)-rel- (9CI) (CA INDEX NAME)

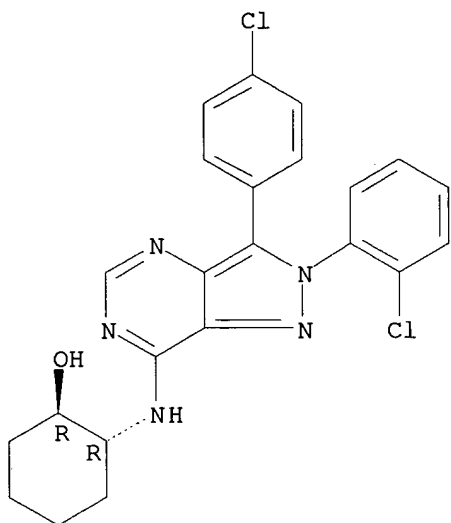
Relative stereochemistry.



RN 784207-61-0 CAPLUS

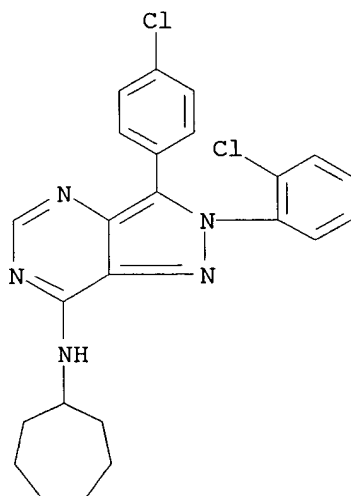
CN Cyclohexanol, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-, (1R,2R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



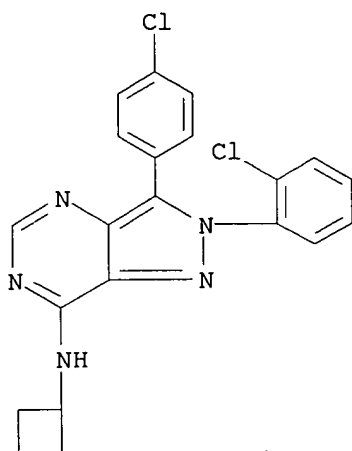
RN 784207-62-1 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-cycloheptyl- (9CI) (CA INDEX NAME)



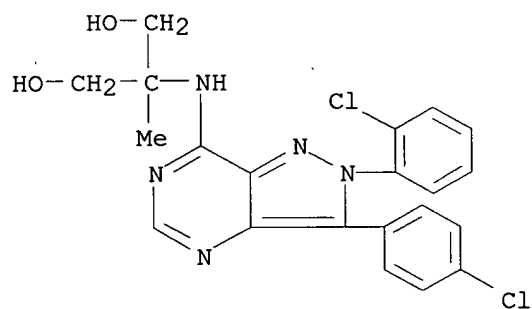
RN 784207-63-2 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-cyclobutyl- (9CI) (CA INDEX NAME)



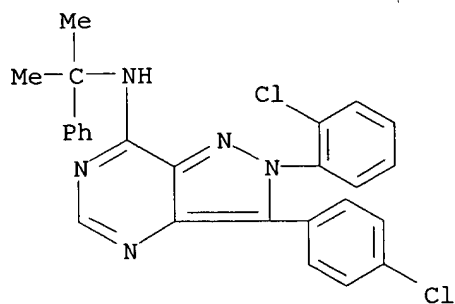
RN 784207-64-3 CAPLUS

CN 1,3-Propanediol, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-2-methyl- (9CI) (CA INDEX NAME)



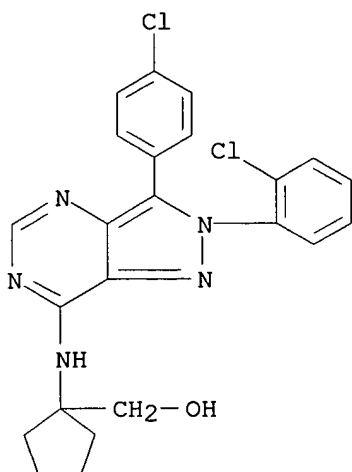
RN 784207-65-4 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(1-methyl-1-phenylethyl)- (9CI) (CA INDEX NAME)



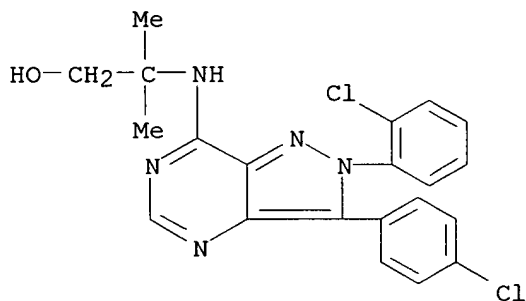
RN 784207-66-5 CAPLUS

CN Cyclopentanemethanol, 1-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]- (9CI) (CA INDEX NAME)



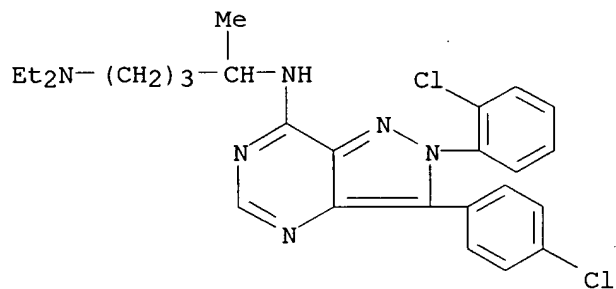
RN 784207-67-6 CAPLUS

CN 1-Propanol, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-2-methyl- (9CI) (CA INDEX NAME)



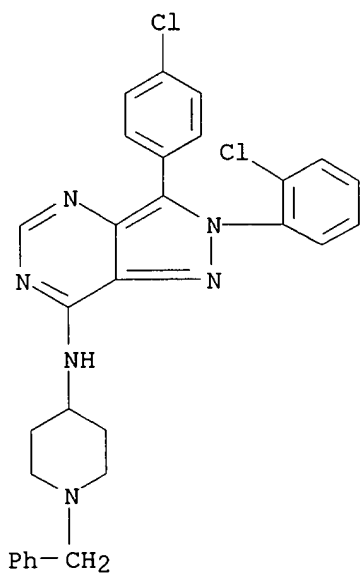
RN 784207-68-7 CAPLUS

CN 1,4-Pentanediamine, N4-[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]-N1,N1-diethyl- (9CI) (CA INDEX NAME)



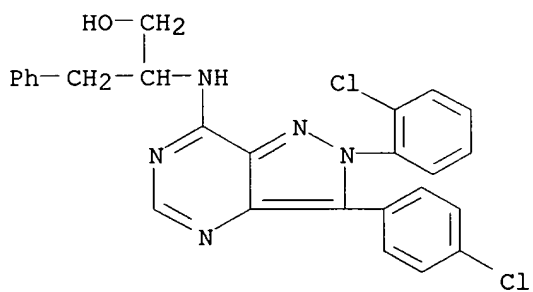
RN 784207-69-8 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-[1-(phenylmethyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



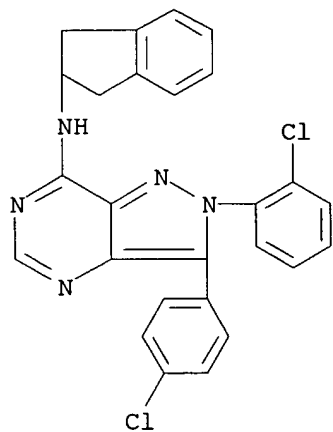
RN 784207-70-1 CAPLUS

CN Benzenepropanol, β -[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]- (9CI) (CA INDEX NAME)



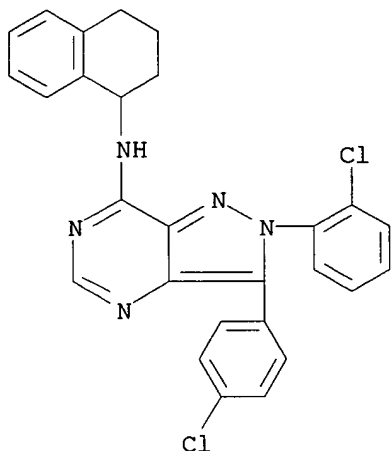
RN 784207-71-2 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(2,3-dihydro-1H-inden-2-yl)- (9CI) (CA INDEX NAME)



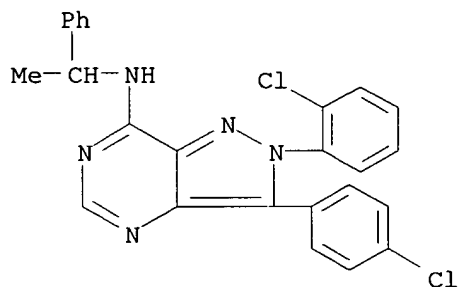
RN 784207-72-3 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-
N-(1,2,3,4-tetrahydro-1-naphthalenyl)- (9CI) (CA INDEX NAME)



RN 784207-73-4 CAPLUS

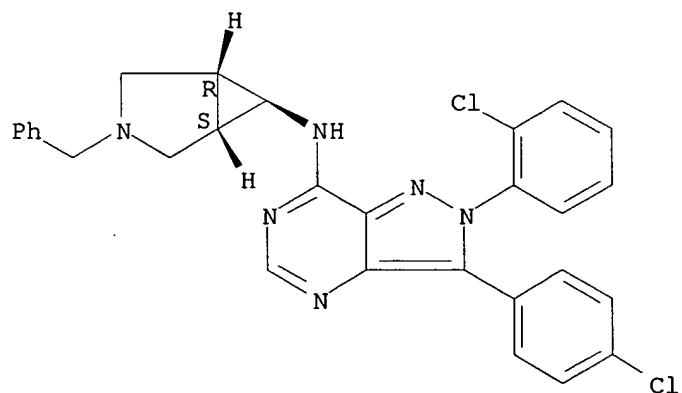
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-
N-(1-phenylethyl)- (9CI) (CA INDEX NAME)



RN 784207-74-5 CAPLUS

CN 3-Azabicyclo[3.1.0]hexan-6-amine, N-[2-(2-chlorophenyl)-3-(4-chlorophenyl)-
2H-pyrazolo[4,3-d]pyrimidin-7-yl]-3-(phenylmethyl)-,
(1 α ,5 α ,6 α)- (9CI) (CA INDEX NAME)

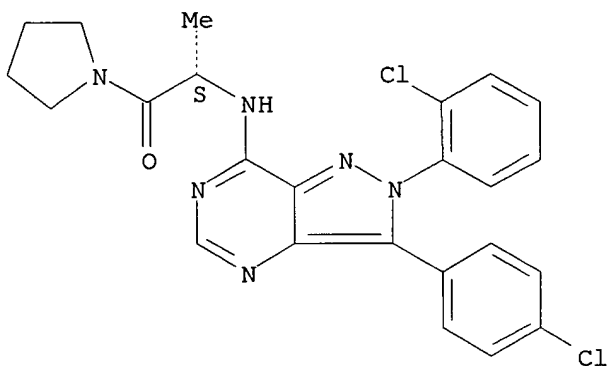
Relative stereochemistry.



RN 784207-75-6 CAPLUS

CN Pyrrolidine, 1-[(2S)-2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-1-oxopropyl]- (9CI) (CA INDEX NAME)

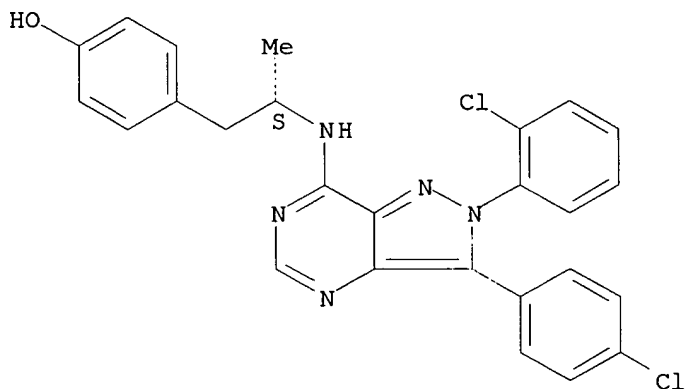
Absolute stereochemistry.



RN 784207-76-7 CAPLUS

CN Phenol, 4-[(2S)-2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]propyl]- (9CI) (CA INDEX NAME)

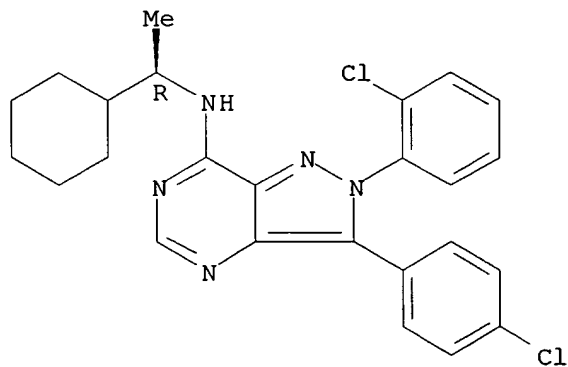
Absolute stereochemistry.



RN 784207-77-8 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-[(1R)-1-cyclohexylethyl]- (9CI) (CA INDEX NAME)

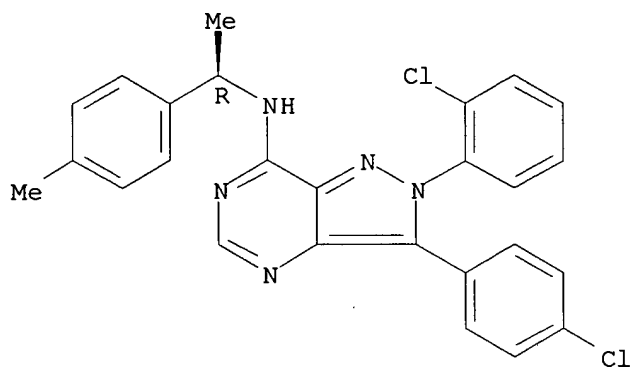
Absolute stereochemistry.



RN 784207-78-9 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-
N-[(1R)-1-(4-methylphenyl)ethyl]- (9CI) (CA INDEX NAME)

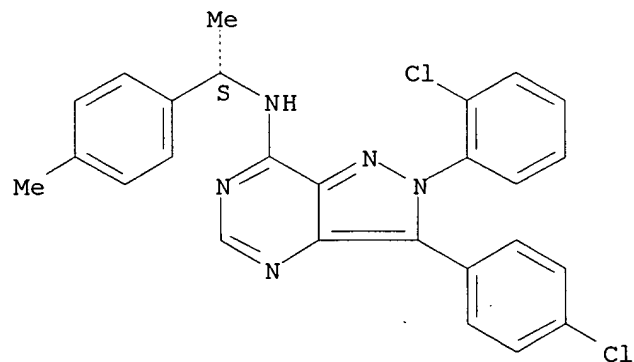
Absolute stereochemistry.



RN 784207-79-0 CAPLUS

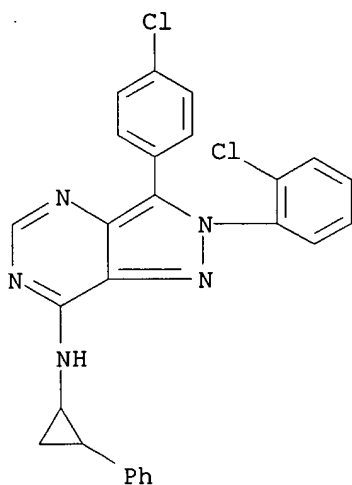
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-
N-[(1S)-1-(4-methylphenyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 784207-80-3 CAPLUS

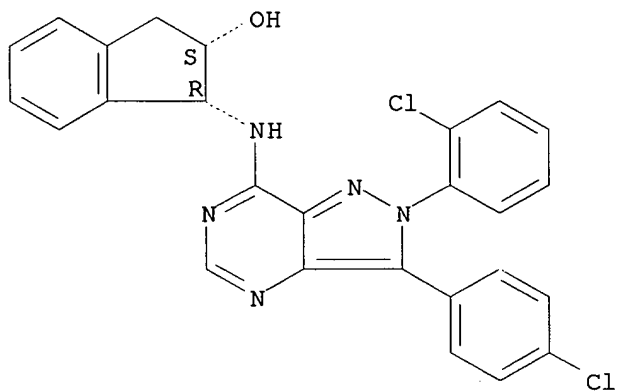
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-
N-(2-phenylcyclopropyl)- (9CI) (CA INDEX NAME)



RN 784207-81-4 CAPLUS

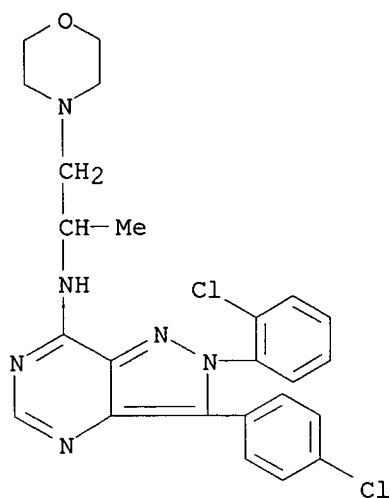
CN 1H-Inden-2-ol, 1-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-2,3-dihydro-, (1R,2S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



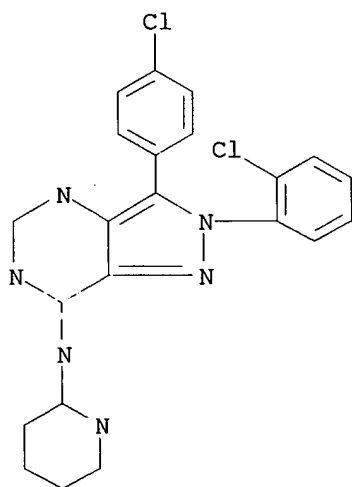
RN 784207-82-5 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-[1-methyl-2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 784207-83-6 CAPLUS

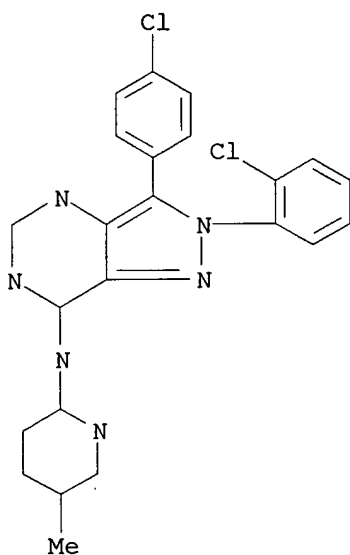
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 784207-84-7 CAPLUS

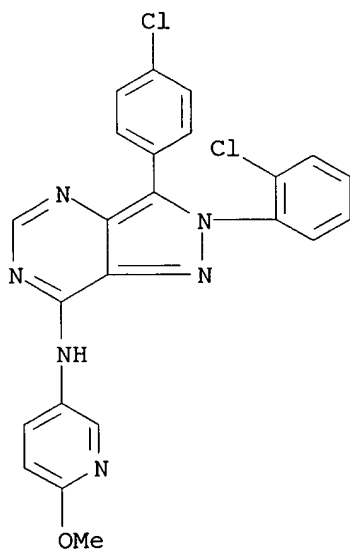
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(5-methyl-2-pyridinyl)- (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

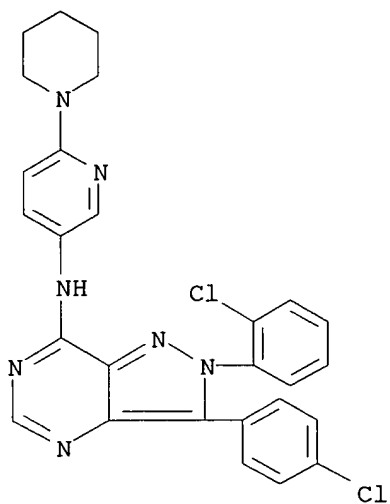
RN 784207-85-8 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



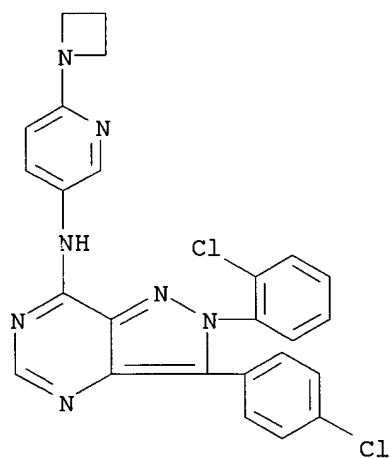
RN 784207-86-9 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-[6-(1-piperidinyl)-3-pyridinyl]- (9CI) (CA INDEX NAME)



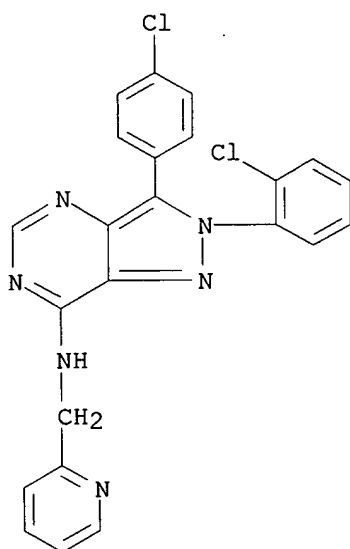
RN 784207-87-0 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, N-[6-(1-azetidinyl)-3-pyridinyl]-2-(2-chlorophenyl)-3-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



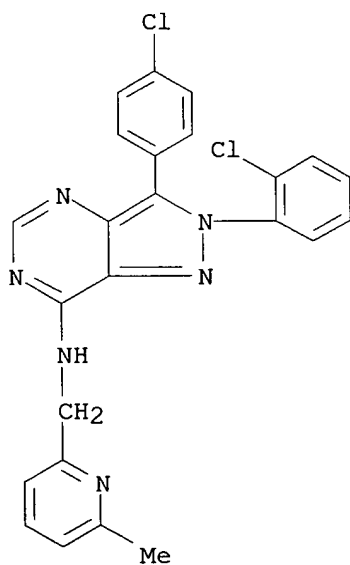
RN 784207-88-1 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



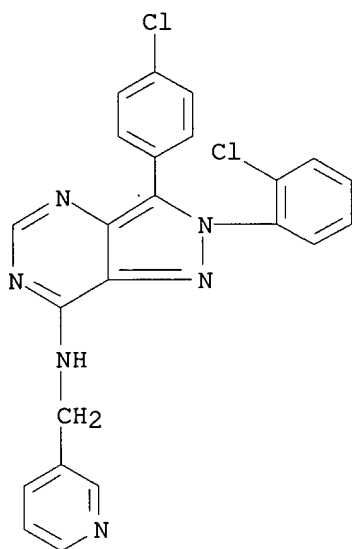
RN 784207-89-2 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-[(6-methyl-2-pyridinyl)methyl]- (9CI) (CA INDEX NAME)



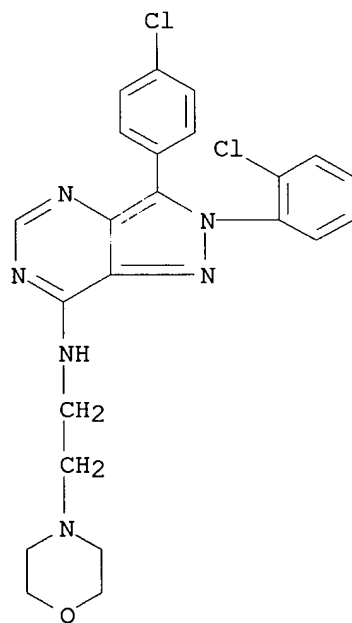
RN 784207-90-5 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



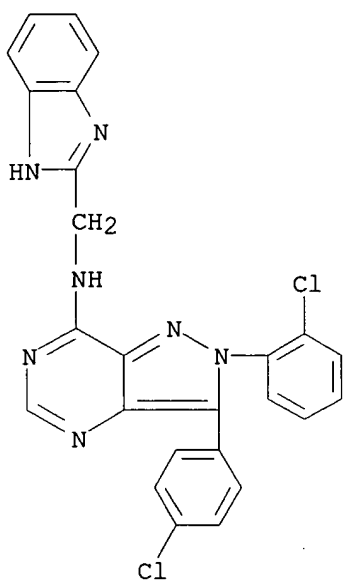
RN 784207-91-6 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)

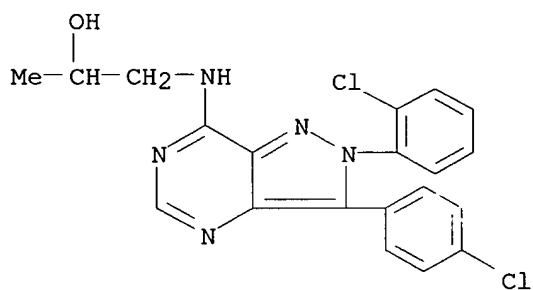


RN 784207-92-7 CAPLUS

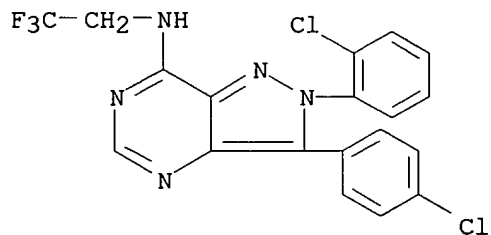
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, N-(1H-benzimidazol-2-ylmethyl)-2-(2-chlorophenyl)-3-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



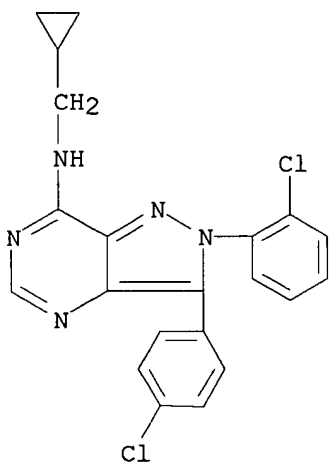
RN 784207-93-8 CAPLUS
 CN 2-Propanol, 1-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]- (9CI) (CA INDEX NAME)



RN 784207-94-9 CAPLUS
 CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



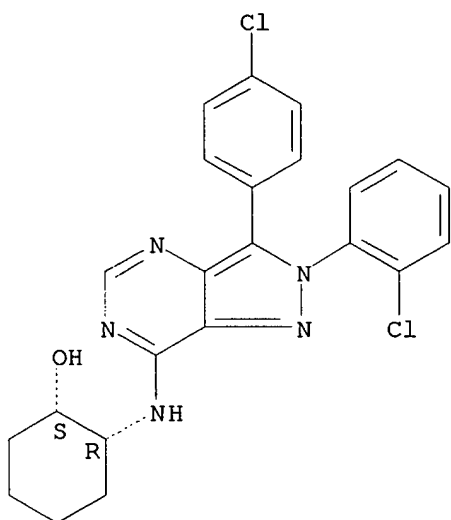
RN 784207-95-0 CAPLUS
 CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(cyclopropylmethyl)- (9CI) (CA INDEX NAME)



RN 784208-00-0 CAPLUS

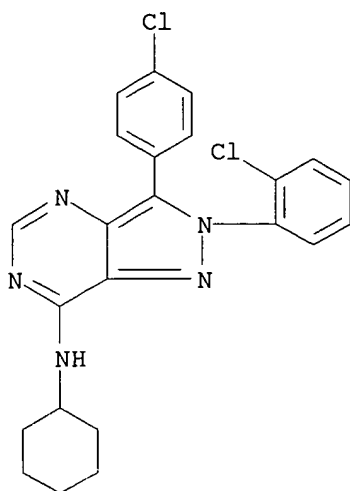
CN Cyclohexanol, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-, (1R,2S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 784208-01-1 CAPLUS

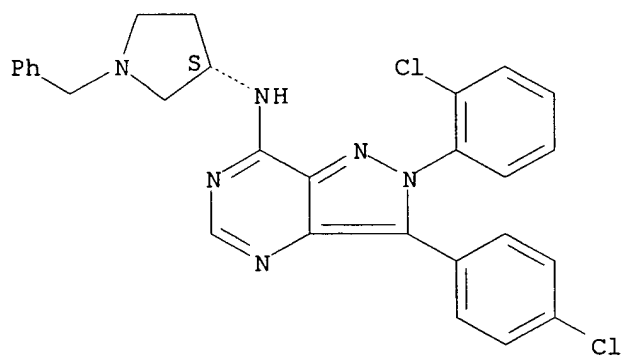
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-cyclohexyl- (9CI) (CA INDEX NAME)



RN 784208-05-5 CAPLUS

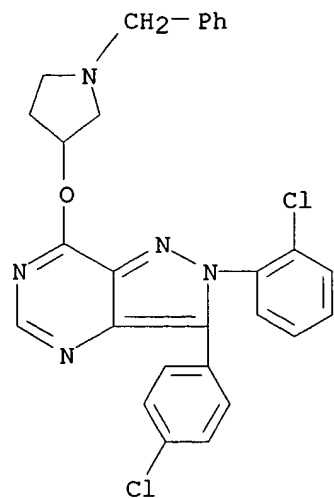
CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



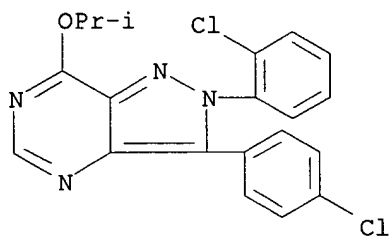
RN 784208-32-8 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-[[1-(phenylmethyl)-3-pyrrolidinyl]oxy]- (9CI) (CA INDEX NAME)



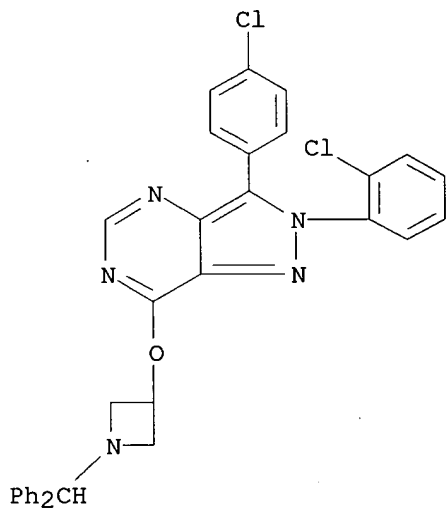
RN 784208-33-9 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-(1-methylethoxy)- (9CI) (CA INDEX NAME)



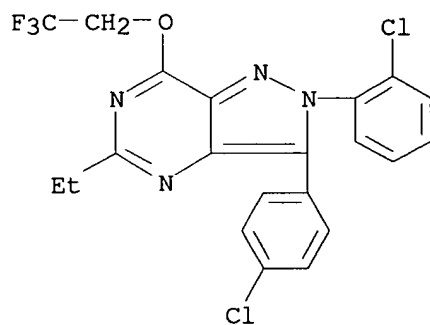
RN 784208-34-0 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-[[1-(diphenylmethyl)-3-azetidinyloxy]- (9CI) (CA INDEX NAME)



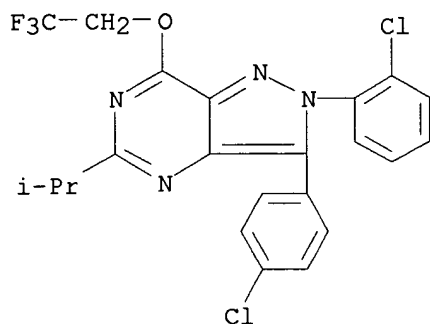
RN 784208-35-1 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-5-ethyl-7-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



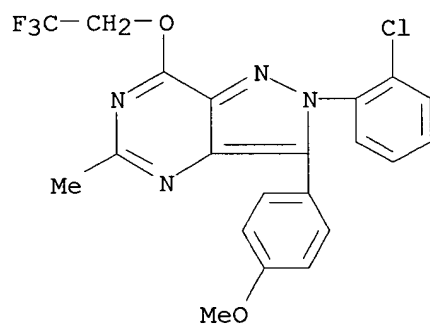
RN 784208-36-2 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-5-(1-methylethyl)-7-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



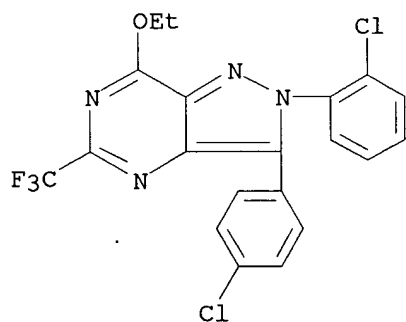
RN 784208-37-3 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-methoxyphenyl)-5-methyl-7-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



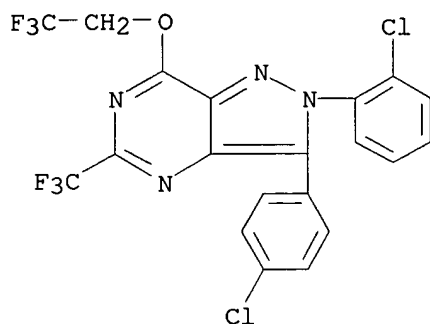
RN 784208-38-4 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-ethoxy-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



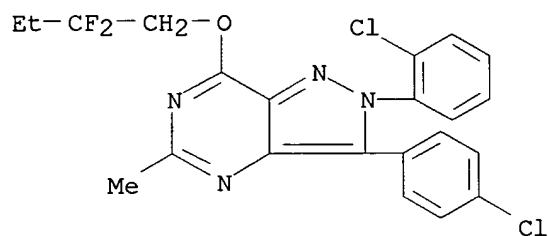
RN 784208-39-5 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-(2,2,2-trifluoroethoxy)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



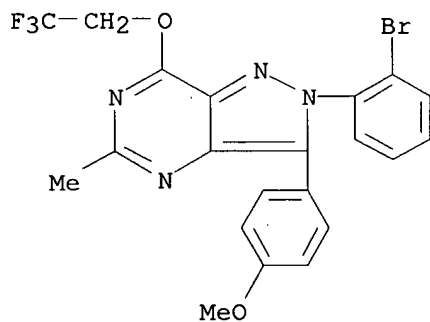
RN 784208-40-8 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-(2,2-difluorobutoxy)-5-methyl- (9CI) (CA INDEX NAME)



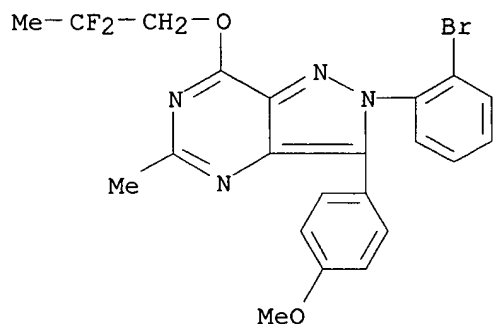
RN 784208-42-0 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-bromophenyl)-3-(4-methoxyphenyl)-5-methyl-7-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



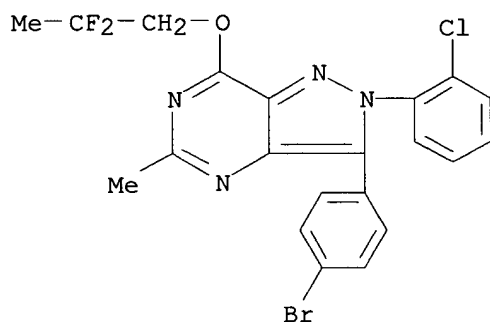
RN 784208-43-1 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-bromophenyl)-7-(2,2-difluoropropoxy)-3-(4-methoxyphenyl)-5-methyl- (9CI) (CA INDEX NAME)



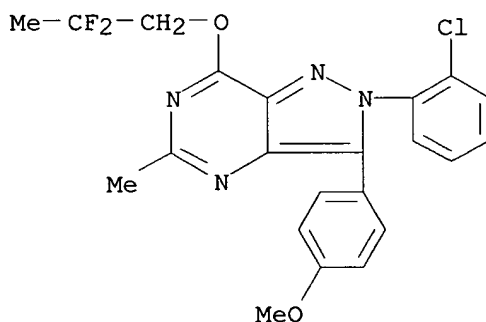
RN 784208-44-2 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 3-(4-bromophenyl)-2-(2-chlorophenyl)-7-(2,2-difluoropropoxy)-5-methyl- (9CI) (CA INDEX NAME)



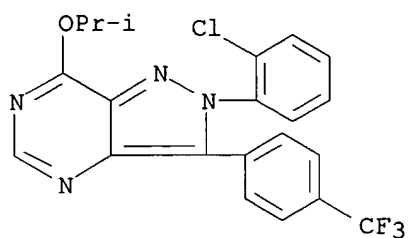
RN 784208-45-3 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-7-(2,2-difluoropropoxy)-3-(4-methoxyphenyl)-5-methyl- (9CI) (CA INDEX NAME)

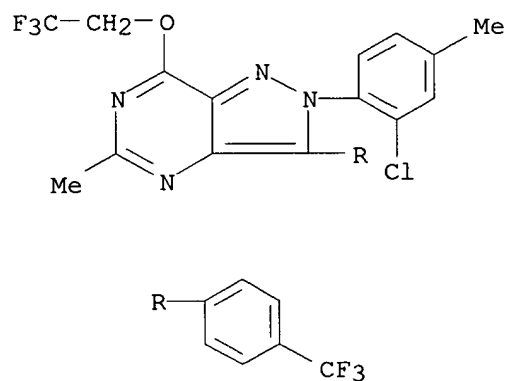


RN 784208-46-4 CAPLUS

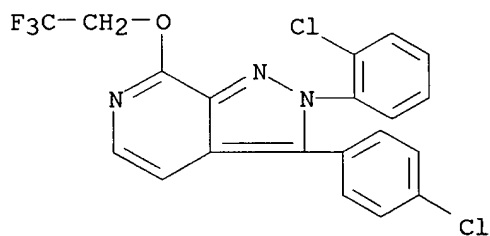
CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-7-(1-methylethoxy)-3-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



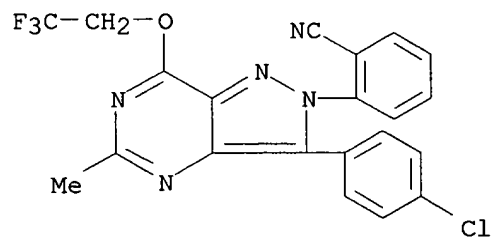
RN 784208-47-5 CAPLUS
 CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chloro-4-methylphenyl)-5-methyl-7-(2,2,2-trifluoroethoxy)-3-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 784208-49-7 CAPLUS
 CN 2H-Pyrazolo[3,4-c]pyridine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)

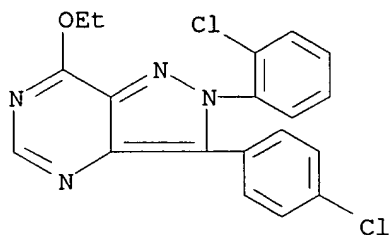


RN 784208-50-0 CAPLUS
 CN Benzonitrile, 2-[3-(4-chlorophenyl)-5-methyl-7-(2,2,2-trifluoroethoxy)-2H-pyrazolo[4,3-d]pyrimidin-2-yl]- (9CI) (CA INDEX NAME)



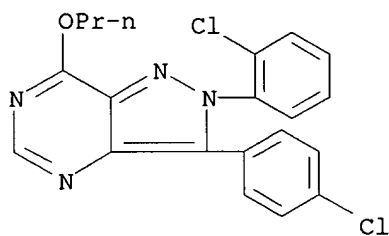
RN 784208-51-1 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-ethoxy- (9CI) (CA INDEX NAME)



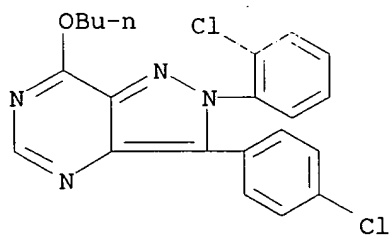
RN 784208-52-2 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-propoxy- (9CI) (CA INDEX NAME)



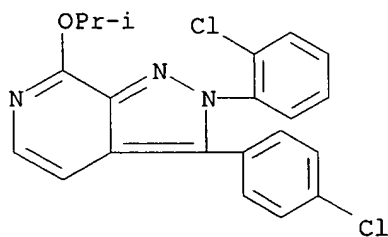
RN 784208-53-3 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 7-butoxy-2-(2-chlorophenyl)-3-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



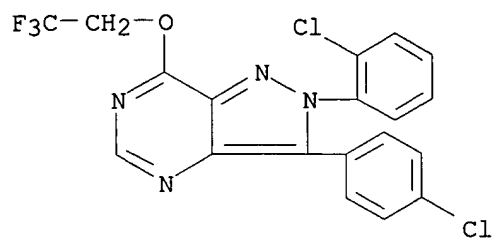
RN 784208-54-4 CAPLUS

CN 2H-Pyrazolo[3,4-c]pyridine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-(1-methylethoxy)- (9CI) (CA INDEX NAME)



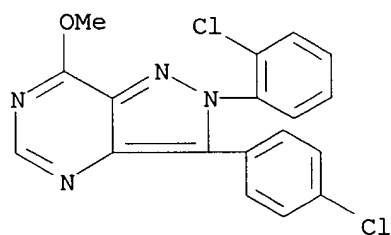
RN 784208-65-7 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



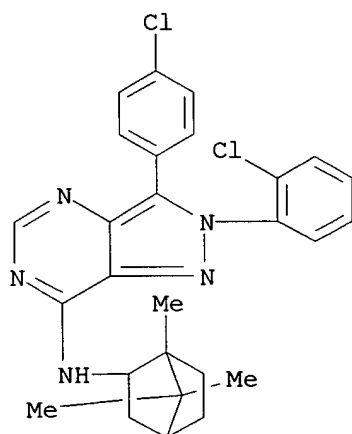
RN 784208-66-8 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-7-methoxy- (9CI) (CA INDEX NAME)



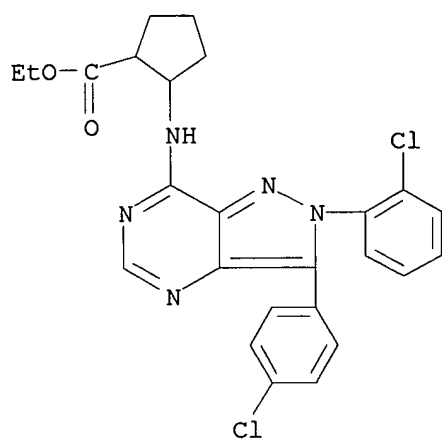
RN 784208-67-9 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)- (9CI) (CA INDEX NAME)



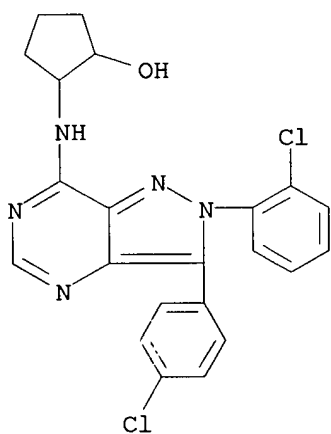
RN 784208-68-0 CAPLUS

CN Cyclopentanecarboxylic acid, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



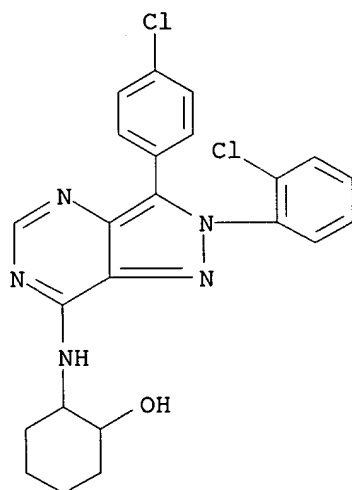
RN 784208-69-1 CAPLUS

CN Cyclopentanol, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]- (9CI) (CA INDEX NAME)



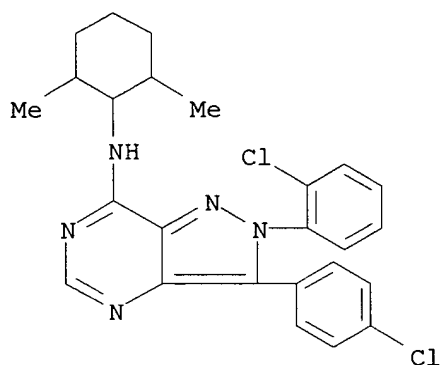
RN 784208-70-4 CAPLUS

CN Cyclohexanol, 2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]- (9CI) (CA INDEX NAME)



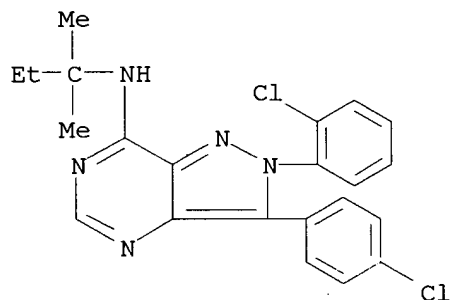
RN 784208-71-5 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-
N-(2,6-dimethylcyclohexyl)- (9CI) (CA INDEX NAME)



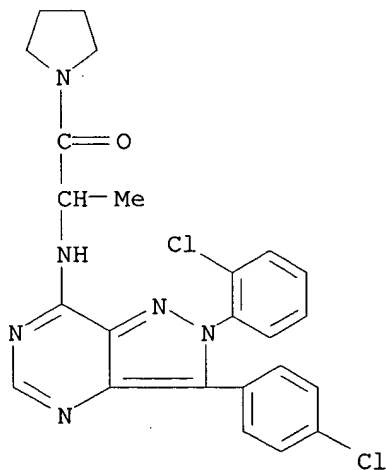
RN 784208-72-6 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-
N-(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)



RN 784208-73-7 CAPLUS

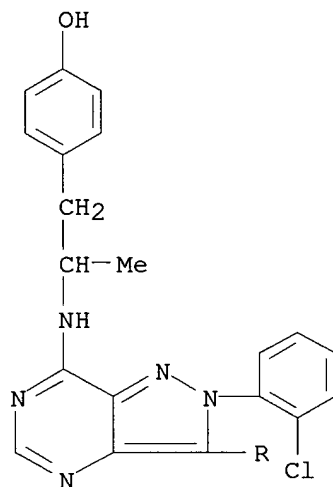
CN Pyrrolidine, 1-[2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-
d]pyrimidin-7-yl]amino]-1-oxopropyl]- (9CI) (CA INDEX NAME)



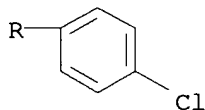
RN 784208-74-8 CAPLUS

CN Phenol, 4-[2-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]propyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

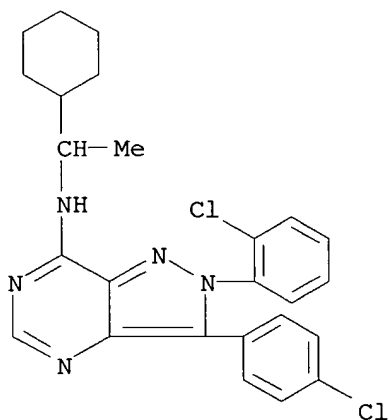


PAGE 2-A



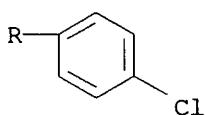
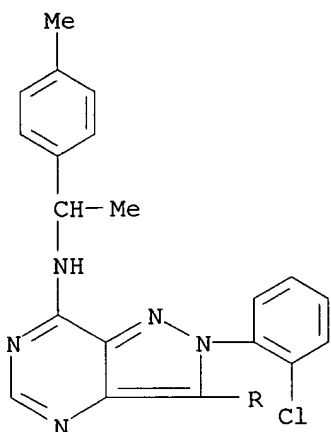
RN 784208-75-9 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-(1-cyclohexylethyl)- (9CI) (CA INDEX NAME)



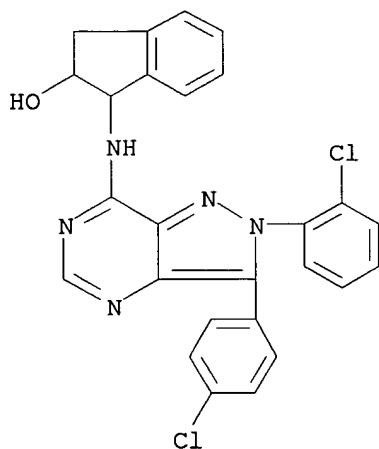
RN 784208-76-0 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidin-7-amine, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-N-[1-(4-methylphenyl)ethyl]- (9CI) (CA INDEX NAME)



RN 784208-77-1 CAPLUS

CN 1H-Inden-2-ol, 1-[[2-(2-chlorophenyl)-3-(4-chlorophenyl)-2H-pyrazolo[4,3-d]pyrimidin-7-yl]amino]-2,3-dihydro- (9CI) (CA INDEX NAME)



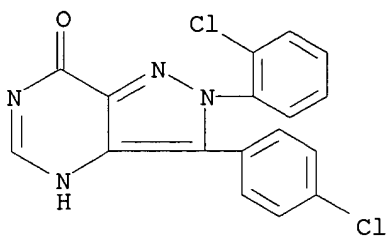
IT 784193-08-4P 784193-10-8P 784193-17-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrazolo[4,3-d]pyrimidine and pyrazolo[3,4-c]pyridine compds. for treating disorders modulated by a cannabinoid receptor antagonist)

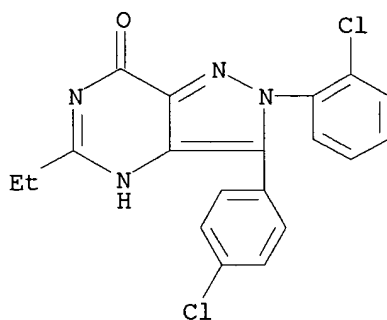
RN 784193-08-4 CAPLUS

CN 7H-Pyrazolo[4,3-d]pyrimidin-7-one, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-2,4-dihydro- (9CI) (CA INDEX NAME)



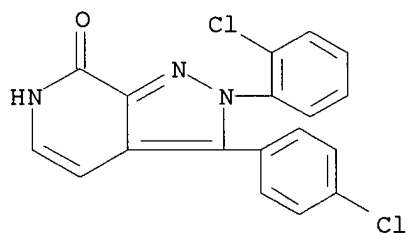
RN 784193-10-8 CAPLUS

CN 7H-Pyrazolo[4,3-d]pyrimidin-7-one, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-5-ethyl-2,4-dihydro- (9CI) (CA INDEX NAME)

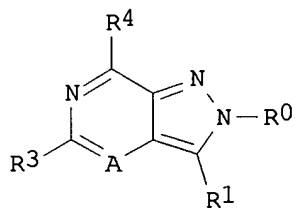


RN 784193-17-5 CAPLUS

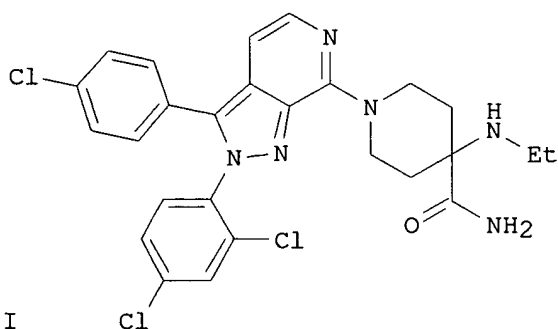
CN 7H-Pyrazolo[3,4-c]pyridin-7-one, 2-(2-chlorophenyl)-3-(4-chlorophenyl)-2,6-dihydro- (9CI) (CA INDEX NAME)



GI



I



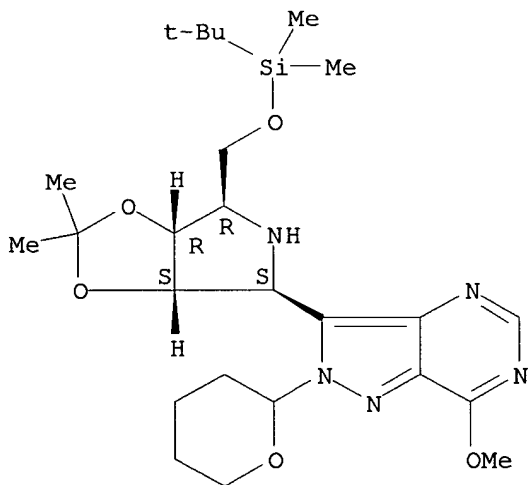
II

AB The title compds. I [A = N, CR₂ (wherein R₂ = H, alkyl, haloalkyl, alkoxy); R₀, R₁ = (un)substituted (hetero)aryl; R₃ = H, alkyl, haloalkyl,

alkoxy; R4 = (un)substituted pyrrolidino, piperidino, piperazino, etc.] that act as cannabinoid receptor ligands and therefore are useful in the treatment of diseases linked to the mediation of the cannabinoid receptors in animals, were prepared. Thus, reacting 7-chloro-3-(4-chlorophenyl)-2-(2,4-dichlorophenyl)-2H-pyrazolo[3,4-c]pyridine with 4-ethylaminopiperidine-4-carboxylic acid amide (preps. given) afforded 78% II. All the exemplified compds. (over 190) were tested in the CB-1 receptor binding assay and showed a range of binding activities from 0.2 nM to 1.6 μ M. The pharmaceutical composition comprising the compound I is claimed.

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:147157 CAPLUS
 DOCUMENT NUMBER: 140:321638
 TITLE: Imino-C-nucleoside Synthesis: Heteroaryl Lithium Carbanion Additions to a Carbohydrate Cyclic Imine and Nitrone
 AUTHOR(S): Evans, Gary B.; Furneaux, Richard H.; Hausler, Herwig; Larsen, Janus S.; Tyler, Peter C.
 CORPORATE SOURCE: Carbohydrate Chemistry, Industrial Research Limited, Lower Hutt, N. Z.
 SOURCE: Journal of Organic Chemistry (2004), 69(6), 2217-2220
 CODEN: JOCEAH; ISSN: 0022-3263
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 140:321638
 IT 607389-23-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of imino-C-nucleosides via heteroaryl lithium carbanion addns. to a carbohydrate cyclic imine and nitrone)
 RN 607389-23-1 CAPLUS
 CN 2H-Pyrazolo[4,3-d]pyrimidine, 3-[(3aS,4S,6R,6aR)-6-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]tetrahydro-2,2-dimethyl-4H-1,3-dioxolo[4,5-c]pyrrol-4-yl]-7-methoxy-2-(tetrahydro-2H-pyran-2-yl)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



AB Promotion by Lewis acid of the addition of some aryllithiums to a carbohydrate-based imine, which has allowed a more facile synthesis of some imino-C-nucleoside analogs, is described. Use of the corresponding nitrone does not assist in some cases, but lithiated acetonitrile adds to it efficiently to give a product from which further C-nucleoside analogs can be derived.

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:777802 CAPLUS

DOCUMENT NUMBER: 139:277119

TITLE: Preparation of C-nucleosides as inhibitors of nucleoside phosphorylases and nucleosidases

INVENTOR(S): Furneaux, Richard Hubert; Schramm, Vern L.; Tyler, Peter Charles; Evans, Gary Brian

PATENT ASSIGNEE(S): Industrial Research Limited, N. Z.; Albert Einstein College of Medicine of Yeshiva University

SOURCE: PCT Int. Appl., 63 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003080620	A1	20031002	WO 2003-NZ50	20030325
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2004110772	A1	20040610	US 2003-395636	20030324
US 7098334	B2	20060829		
CA 2480470	AA	20031002	CA 2003-2480470	20030325
AU 2003215969	A1	20031008	AU 2003-215969	20030325
EP 1490373	A1	20041229	EP 2003-745042	20030325
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2005527544	T2	20050915	JP 2003-578374	20030325
PRIORITY APPLN. INFO.:			NZ 2002-517970	A 20020325
			WO 2003-NZ50	W 20030325

OTHER SOURCE(S): MARPAT 139:277119

IT 607389-23-1P 607389-24-2P 607389-25-3P
607389-26-4P

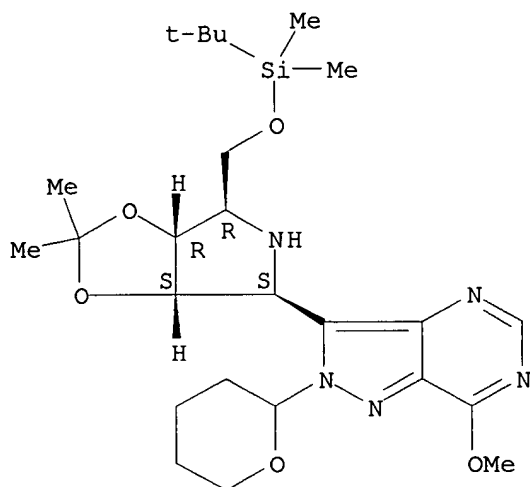
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of C-nucleosides as inhibitors of nucleoside phosphorylases and nucleosidases)

RN 607389-23-1 CAPLUS

CN 2H-Pyrazolo[4,3-d]pyrimidine, 3-[(3aS,4S,6R,6aR)-6-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]tetrahydro-2,2-dimethyl-4H-1,3-dioxolo[4,5-c]pyrrol-4-yl]-7-methoxy-2-(tetrahydro-2H-pyran-2-yl)- (9CI)
(CA INDEX NAME)

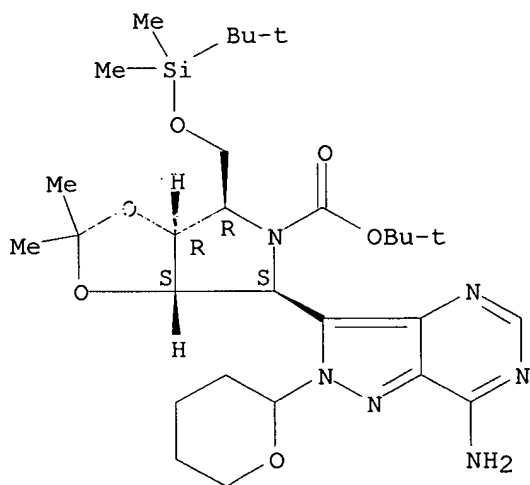
Absolute stereochemistry.



RN 607389-24-2 CAPLUS

CN 5H-1,3-Dioxolo[4,5-c]pyrrole-5-carboxylic acid, 4-[7-amino-2-(tetrahydro-2H-pyran-2-yl)-2H-pyrazolo[4,3-d]pyrimidin-3-yl]-6-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]tetrahydro-2,2-dimethyl-, 1,1-dimethylethyl ester, (3aS,4S,6R,6aR)- (9CI) (CA INDEX NAME)

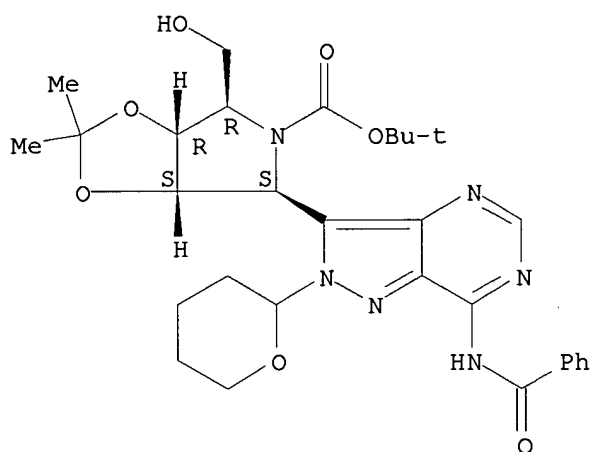
Absolute stereochemistry.



RN 607389-25-3 CAPLUS

CN 5H-1,3-Dioxolo[4,5-c]pyrrole-5-carboxylic acid, 4-[7-(benzoylamino)-2-(tetrahydro-2H-pyran-2-yl)-2H-pyrazolo[4,3-d]pyrimidin-3-yl]tetrahydro-6-(hydroxymethyl)-2,2-dimethyl-, 1,1-dimethylethyl ester, (3aS,4S,6R,6aR)- (9CI) (CA INDEX NAME)

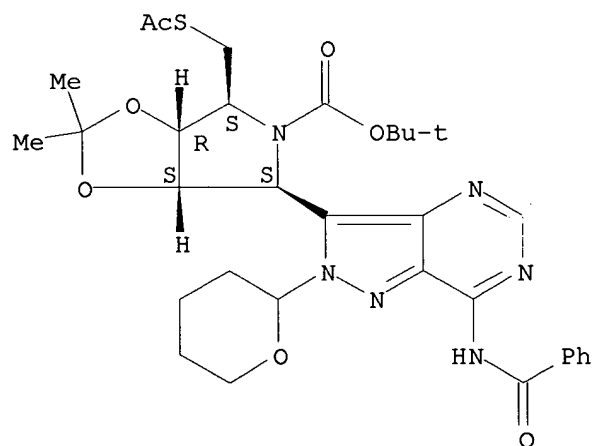
Absolute stereochemistry.



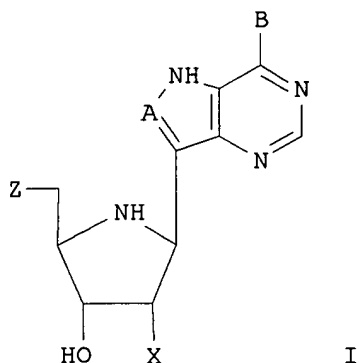
RN 607389-26-4 CAPLUS

CN 5H-1,3-Dioxolo[4,5-c]pyrrole-5-carboxylic acid, 4-[(acetylthio)methyl]-6-[7-(benzoylamino)-2-(tetrahydro-2H-pyran-2-yl)-2H-pyrazolo[4,3-d]pyrimidin-3-yl]tetrahydro-2,2-dimethyl-, 1,1-dimethylethyl ester, (3aR,4S,6S,6aS)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI



AB The present invention relates to compds. of the general formula I, where R is selected from halogen, optionally substituted alkyl, aralkyl and aryl, OH, NH₂, NHR₁, NR₁R₂ and SR₃, where R₁-R₃ are each optionally substituted alkyl, aralkyl or aryl groups; B is selected from NH₂ and NHR₄, where R₄ is an optionally substituted alkyl, aralkyl or aryl group; X is selected from H, OH and halogen; and Z is selected from H, Q, SQ and OQ, where Q is an optionally substituted alkyl, aralkyl or aryl group; or a tautomer thereof; or a pharmaceutically acceptable salt thereof; or an ester thereof; or a prodrug thereof; with the proviso that the stereochem. of the aza-sugar moiety is D-ribo- or 2'-deoxy-D-erythro-, which are inhibitors of 5'-methylthioadenosine phosphorylases and 5'-methylthioadenosine nucleosidases (MTAP and MTAN), the invention also relates to the use of these compds. in treatment of diseases and infections including cancer, bacterial infections and parasitic infections, and to pharmaceutical compns. containing the compds. Thus, I (X = OH, Z = SPh, A = CH, B = NH₂) was prepared and tested in vitro as MTAP and MTAN inhibitor (K_i = 46 ± 3 pM and 890.0 ± 120 pM resp.).

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	26.01	193.16
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.75	-3.75

STN INTERNATIONAL LOGOFF AT 09:55:14 ON 15 SEP 2006